

HVAC PLAN REVIEW NOTES BASED ON THE 1995 OHIO BASIC MECHANICAL CODE

- ✓ 1. Heating, ventilation, cooling and refrigeration shall conform to 1995 Ohio Mechanical Code (OBMC), Columbus Building Code (CBC), and the Ohio Basic Building Code (OBBC) Chapter 28.
- ✓ 2. HVAC work is subject to field verification by inspectors, no work may be covered or concealed without visual inspection and approval per OBBC 2804.0. Omission of reference to code requirements that would constitute a serious hazard shall not nullify those requirements. See OBBC 4101:2-1-09(C), 2811.0 (4101:2-28-11) existing buildings, and OBBC 3404.0 alterations, also see Columbus Building Code Section 4111.0.
- \_\_\_ 3. Enclose duct and pipe in shafts with construction having fire resistance rating specified in OBBC, Table 602. For fire resistance rated shaft enclosure see OBBC 710.0. See OBBC 713.0.
- ✓ 4. Fire stopping around penetrating item with noncombustible materials at floor and ceiling levels shall be per OBBC 720.6.4. Protection of noncombustible cables, wires, conduits, pipes and tubes with annular space around penetrating item at floor line with materials shall be tested in accordance with ASTM E119.
- ✓ 5. Through penetration fire stop systems shall be listed by testing laboratories approved per OBBC. See OBBC 713.4.2 for penetrations, which are tested in accordance with ASTM E119 as part of the rated assembly.
- \_\_\_ 6. All HVAC above ceiling, or where water damage may result requires secondary drain or auxiliary drain pan per CCC 4149.23.
- \_\_\_ 7. All condenser units shall have support on noncombustible foundation. Roof top equipment will be supported on substantial noncombustible bases or framework, or by an approved method designed by an engineer.

B. VENTILATION AIR (CHAPTER 16)

- ✓ 10. Every room or space intended for human occupancy shall be provided with natural or artificial ventilation per OBBC 1205.0, or 1208.0, natural ventilation requirements OBMC M-1603.0, mechanical ventilation OBMC Section M-1604.0 and table M-1604.3.
- ✓ 11. Construction documents indicate mechanical ventilation is being provided. Furnish balance schedule for review. Provide required outside air ventilation to each occupied room or area per M-1604.3.
- \_\_\_ 12. Construction documents indicate that natural ventilation requirements are being provided with operable windows in the individual units per OBBC Section 1208.0, and OBMC M-1603.0.
- \_\_\_ 13. Ventilation and re-circulation of kitchens, rooms and areas within a structure shall be determined on maximum occupancy basis. Tempered ventilation outside air shall conform to M-1604.4 requirements. The drawings indicate that mechanical ventilation is being provided to the interior spaces such as the corridors.